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State of Utah

Department of Natural Resources

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

Inspection Report

Representatives Present During the Inspection:	
OGM	Joe Helfrich Environmental Scientist III
OGM	Steve Christensen Environmental Scientist II
OGM	Jim Smith Environmental Scientist III

Permit Number:	C0150025
Inspection Type:	TECHNICAL
Inspection Date:	Tuesday, August 22, 2006
Start Date/Time:	8/22/2006 9:00:00 AM
End Date/Time:	8/22/2006 4:30:00 PM
Last Inspection:	Thursday, July 27, 2006

Inspector: Steve Christensen, Environmental Scientist II

Weather: 0-5 mph winds, party sunny, 75 degrees

InspectionID Report Number: 1049

Accepted by: whedberg
9/11/2006

Permitee: **CO-OP MINING CO**
Operator: **CO-OP MINING CO**
Site: **BEAR CANYON MINE**
Address: **PO BOX 1245, HUNTINGTON UT 84528**
County: **EMERY**
Permit Type: **PERMANENT COAL PROGRAM**
Permit Status: **ACTIVE**

Current Acreages

4,416.18	Total Permitted
40.46	Total Disturbed
	Phase I
	Phase II
	Phase III

Mineral Ownership

- [x] Federal
- [ ] State
- [ ] County
- [x] Fee
- [ ] Other

Types of Operations

- [x] Underground
- [ ] Surface
- [ ] Loadout
- [ ] Processing
- [ ] Reprocessing

Report summary and status for pending enforcement actions, permit conditions, Division Orders, and amendments:

On August 22nd, 2006, Division personnel (Jim Smith, Joe Helfrich, Steve Christensen) met with CO-OP (Charles and Mark Reynolds), USDA Forest Service (Karl Boyer), Burea of Land Management (Angela Wadman), Water Rights (Marc Stillson and Dave Horsley), and Huntington, Cleveland Irrigation Company (Sherrel Ward, Lee Macalprane, Earl Gordon and Carl Fillmore) representatives at the site of the proposed Bear Canyon Lease expansion. The purpose of the site visit was to field inspect areas of concern that the HCIC members had identified at an August 9th, 2006 meeting regarding the proposed lease expansion. At the August 9th meeting, HCIC members had identified four potential areas of concern: two water trough spring areas and two stock watering ponds. All four of the sites were field-inspected during the site visit.

Inspector's Signature: Steve Christensen **Date** Thursday, August 24, 2006

Steve Christensen, Environmental Scientist II
Inspector ID Number: 54

Note: This inspection report does not constitute an affidavit of compliance with the regulatory program of the Division of Oil, Gas and Mining.

Permit Number: C0150025
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Inspection Continuation Sheet

REVIEW OF PERMIT, PERFORMANCE STANDARDS PERMIT CONDITION REQUIREMENTS

1. *Substantiate the elements on this inspection by checking the appropriate performance standard.*
   a. *For COMPLETE inspections provide narrative justification for any elements not fully inspected unless element is not appropriate to the site, in which case check Not Applicable.*
   b. *For PARTIAL inspections check only the elements evaluated.*
2. *Document any noncompliance situation by reference the NOV issued at the appropriate performance standard listed below.*
3. *Reference any narratives written in conjunction with this inspection at the appropriate performace standard listed below.*
4. *Provide a brief status report for all pending enforcement actions, permit conditions, Divison Orders, and amendments.*

	Evaluated	Not Applicable	Comment	Enforcement
1. Permits, Change, Transfer, Renewal, Sale	☐	☑	☐	☐
2. Signs and Markers	☐	☑	☐	☐
3. Topsoil	☐	☑	☐	☐
4.a Hydrologic Balance: Diversions	☐	☑	☐	☐
4.b Hydrologic Balance: Sediment Ponds and Impoundments	☑	☐	☑	☐
4.c Hydrologic Balance: Other Sediment Control Measures	☐	☑	☐	☐
4.d Hydrologic Balance: Water Monitoring	☑	☐	☑	☐
4.e Hydrologic Balance: Effluent Limitations	☐	☑	☐	☐
5. Explosives	☐	☑	☐	☐
6. Disposal of Excess Spoil, Fills, Benches	☐	☑	☐	☐
7. Coal Mine Waste, Refuse Piles, Impoundments	☐	☑	☐	☐
8. Noncoal Waste	☐	☑	☐	☐
9. Protection of Fish, Wildlife and Related Environmental Issues	☐	☑	☐	☐
10. Slides and Other Damage	☐	☑	☐	☐
11. Contemporaneous Reclamation	☐	☑	☐	☐
12. Backfilling And Grading	☐	☑	☐	☐
13. Revegetation	☐	☑	☐	☐
14. Subsidence Control	☐	☑	☐	☐
15. Cessation of Operations	☐	☑	☐	☐
16.a Roads: Construction, Maintenance, Surfacing	☐	☑	☐	☐
16.b Roads: Drainage Controls	☐	☑	☐	☐
17. Other Transportation Facilities	☐	☑	☐	☐
18. Support Facilities, Utility Installations	☐	☑	☐	☐
19. AVS Check	☐	☑	☐	☐
20. Air Quality Permit	☐	☑	☐	☐
21. Bonding and Insurance	☐	☑	☐	☐
22. Other	☑	☐	☑	☐

4.b Hydrologic Balance: Sediment Ponds and Impoundments

Ponds in T. 16 S., R. 7 E, Sec 13 and T. 16 S., R. 8 E, Sec 19 were observed, the latter appears to be a seep-fed natural pond and is called Wild Horse Lake by the cattlemen.

4.d Hydrologic Balance: Water Monitoring

It was determined that the two watering troughs identified as areas of concern by HCIC, were not identified in the Bear Canyon submittal. It was agreed that the two water trough/spring areas would be added to the monitoring program for the lease expansion. Their locations are T16S, R7E, S12, NW 1/4, SE 1/4 and T16S R7E, S13, NE 1/4, SE 1/4 (Wild Horse Spring).

Numerous seeps and springs were observed issuing at or near the base of the rim formed by the Wasatch Fm.

The stock-watering ponds were determined to be primarily surface/rain water fed. The HCIC members indicated that they were not concerned with potential impacts to these ponds. As such, they were determined to not be critical for monitoring purposes.

During the course of the field visit, two other springs were identified as areas of concern by the HCIC members. The springs (tentatively named SBC-16A and SBC 16B) are located in the NW 1/4 of the NE 1/4 of Section 19, T 16S, R 8E. It was agreed to that the two springs would be added to the monitoring program for the lease expansion as well.

The HCIC members also noted concern about possible mining related impacts to a developed spring and stock watering pond located in T16S, R7E, S1, NE 1/4, SW 1/4. Upon visiting the site, it was determined that the area was well outside of the proposed lease expansion area and approximately 1/2 mile from the projected Hiawatha Seam mine workings.

At the conclusion of the meeting, it was determined that modifications to the Bear Canyon monitoring program would be reasonable in light of the locations of the Hiawatha seam mine workings and the addition of the aforementioned HCIC concern areas. A meeting was scheduled for August 31st at the Price Field Office. Karl Boyer and Mark Reynolds will meet with Division personnel to discuss and modify the monitoring plan.

22. Other

The Group made a series of 11 stops with the primary focus on identifying additional water monitoring locations. Riparian vegetation associated with these areas was also noted. Mark and I agreed to contact Pat Collins prior to making any additions or changes to plate 3-1.